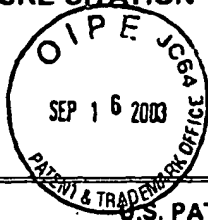


FORM PTO-1449
(REV. 7-85)

U.S. DEPARTMENT OF COMMERCE
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ATTY. DOCKET NO.

100-8345D

APPLICATION NO.

~~10/021,112~~

APPLICANT

FUENFSCHILLING ET AL.

FILING DATE

~~OCTOBER 28, 2004~~

Sheet ~~1/2~~ 1/2

10/625,142

7/23/03

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
gr	AA	3,527,750	9/8/70	Karr	—	—	
	AB	3,573,275	3/30/71	Maehr et al	—	—	
	AC	4,081,354	3/28/78	Christman	—	—	
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	AL						

FOREIGN PATENT DOCUMENTS

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	AQ	2 215 631	9/27/89	UK	—	—	<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

gr	AR	Prochazka, et al., Chem. Engineer. Science, Vol. 31, pp. 179-186 (1976).
gr	AS	Lo and Baird, Encyc of Chem. Tech., 4 th ed., Vol. 10, pp. 125-180, J. Wiley & Sons, 1979
	AT	

EXAMINER

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ATTY. DOCKET NO.

100-8345D

APPLICATION NO.

~~48/024,117~~

APPLICANT

FUENFSCHILLING ET AL.

FILING DATE

~~OCTOBER 28, 2001~~

Sheet *2/2*

FOREIGN PATENT DOCUMENTS

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EXAMINER

DATE CONSIDERED

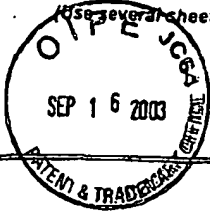
Tom McHenry *7/2/01*
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Sheet 1 of 2

ATTY. DOCKET NO.
100-8345/A/CONT
APPLICATION NO.

APPLICANT
FUENFSCHILLING ET AL.
FILING DATE
~~March 18, 1999~~

Group
1611

10/625,142
7/20/03

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
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	AB	3,671,647	6/20/72	Argoudelis et al.	260	210R	
	AC	3,743,633	7/3/73	Goerlich et al.	260	210.5	
	AD	3,804,594	4/16/74	Orjans et al.	23	270.5	
	AE	4,016,258	4/5/77	Said et al.	424	177	
	AF	4,203,956	5/20/80	Schröter et al.	423	321	
	AG	4,271,128	6/2/81	Schrödter et al.	422	189	
	AH	4,328,214	5/4/82	Rink et al.	424	177	
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	AJ	4,913,814	4/3/90	Singh et al.	210	512.2	
	AK	4,954,260	9/4/90	Ludmer et al.	210	634	
<i>W</i>	AL	5,709,797	1/98	Bocchiola	210	635	

FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

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(REV. 7-85)

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Sheet 2 of 2

ATTY. DOCKET NO.
100-8345/A/CONT
APPLICATION NO.

APPLICANT
FUENFSCHILLING ET AL
FILING DATE
MARCH 18, 1999

Group
1611

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
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	AC	5,591,438	1/1/97	Olson et al.	424	195.1	
<i>[initials]</i>	AD	5,256,547	10/93	Rudat et al.	435	71.1	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

<i>[initials]</i>	AR	Vogel, Text book of Practical Organic Chem., Longman, 4th Edition, 1978, (pp. 211, 217, 219, 220) from Experimental Techniques
	AS	
	AT	

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Notice of References Cited

Application/Control No.

09/652,295

Applicant(s)/Patent Under
Reexamination
FUENFSCHILLING ET AL.

Examiner

Thomas McKenzie Ph.D.

Art Unit

1624

Page 1 of 1

SEP 16 2003

U.S. PATENT DOCUMENTS

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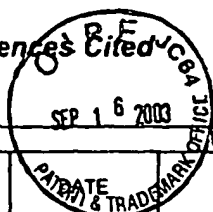
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NON-PATENT DOCUMENTS

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Application/Control No.

09/652,295

Examiner

Steven M. Reid

Applicant(s)/Patent Under Reexamination
FUENFSCHILLING ET AL.

Art Unit

1624

Page 1 of 1

U.S. PATENT DOCUMENTS

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NON-PATENT DOCUMENTS

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**APS encompasses any electronic search i.e. text, image, and Commercial Databases.

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PTO-892 (Rev. 03-98)

Notice of References Cited

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Application/Control No.

09/652,295

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FUENFSCHILLING ET AL.

Examiner

Steven M. Reid

Art Unit

1624

Page 1 of 1

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U.S. PATENT DOCUMENTS

★		Document Number		Date MM-YYYY	Name	Classification	
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FOREIGN PATENT DOCUMENTS

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	R	- -					
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